Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/08/2020 10:13 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123892	-1	2.37	123909	2.40
Blue	F	SSC	125000	124007	-1	1.49	124695	1.54
Blue	E	FITC	15892	15390	-4	2.82	335	21.18
Blue	D	PE	29999	29509	-2	1.96	642	15.39
Blue	B	PerCP-Cy5-5	43732	43126	-2	3.80	1160	20.57
Blue	A	PE-Cy7	30845	30184	-3	6.17	570	42.63
Red	C	APC	46112	45522	-2	2.42	1606	12.04
Red	A	APC-Cy7	30458	29738	-3	2.32	786	11.73
Violet	B	V450	7918	7516	-6	4.03	428	13.12
Violet	A	V500	32171	30704	-5	3.74	719	10.79

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17058	12.33	628	7	N/A	N/A	Pass
Blue	F	SSC	56975	1.15	568	9	N/A	N/A	Pass
Blue	E	FITC	60	67.07	546	3	0.0177	128	Pass
Blue	D	PE	133	51.57	553	5	0.1431	246	Pass
Blue	B	PerCP-Cy5-5	213	50.43	659	3	0.0089	57	Pass
Blue	A	PE-Cy7	107	104.18	701	3	0.0100	13	Pass
Red	C	APC	384	24.94	585	1	0.0248	136	Pass
Red	A	APC-Cy7	173	28.63	556	0	0.0059	1158	Pass
Violet	B	V450	65	57.91	460	2	0.0455	1672	Pass
Violet	A	V500	107	36.71	476	2	0.0214	1058	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.68	-31.85	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.45
Red	16.21	13.60 - 20.40	N/A	N/A	29.10	29.82	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.88

Threshold

Threshold (FSC): 10260

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments